

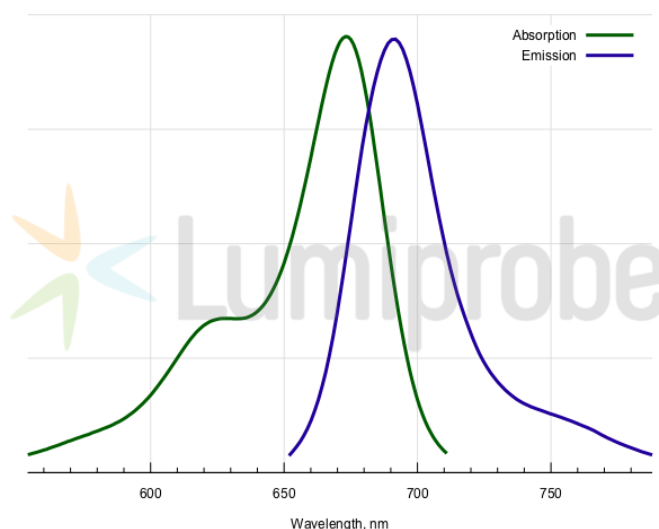
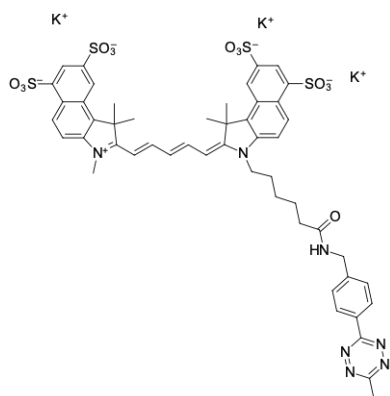
sulfo-Cyanine5.5 tetrazine

<http://cn.lumiprobe.com/p/sulfo-cy55-tetrazine>

sulfo-Cyanine5.5 is a water-soluble, hydrophilic far-red fluorophore, an analog of Cy5.5®. Like other cyanine dyes, sulfo-Cyanine5.5 has an outstanding molar extinction coefficient, giving rise to its bright fluorescence. The molecule contains four sulfo groups that provide hydrophilicity and negative charge to the fluorophore and minimize non-specific binding.

This reagent contains tetrazine moiety that reacts with trans-cyclooctenes, cyclopropenes, and some strained cyclooctynes to form stable conjugates via an inverted electron demand [4+2]-cycloaddition (IEDDA).

The reagent possesses high aqueous solubility and hydrophilicity and is recommended for labeling biomolecules in an aqueous environment.



外观:

分子量: 1200.53

分子式: $C_{50}H_{48}K_3N_7O_{13}S_4$

溶解度:

质量控制:

储存条件:

激发/吸收极大值, 纳米: 673

ϵ , 摩尔吸光系数, cm^{-1} : 211000

发射极大值, 纳米: 691

荧光量子产率: 0.21

CF_{260} : 0.09

CF_{280} : 0.11